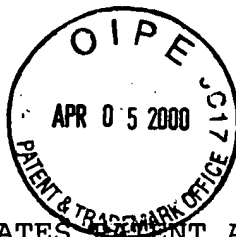35.C13982

Box SEQ. 16 52

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)

TETSUYA YANO ET AL.   )
                                     :   Examiner: Unassigned
Application No.: 09/430,029   )
                                     :   Group Art Unit: Unassigned
Filed: October 29, 1999   )

                                     :
For: DNA FRAGMENT CARRYING   )
       TOLUENE MONOOXYGENASE   :
       GENE, RECOMBINANT   )
       PLASMID, TRANSFORMED   :
       MICROORGANISM, METHOD   )
       FOR DEGRADING   :
       CHLORINATED ALIPHATIC   )
       HYDROCARBON COMPOUNDS,   :
       AND METHOD FOR   )
       ENVIRONMENTAL   :
       REMEDIATION   )   April 3, 2000

Assistant Commissioner for Patents
Washington, D.C. 20231

          SUBMISSION OF CORRECTED COMPUTER READABLE
          FORM AND AMENDMENT OF SEQUENCE LISTING
             UNDER 37 C.F.R. §§ 1.821(e) and 1.825

Sir:

          Applicants submit herewith a substitute copy of the

Computer Readable Form ("CRF") under 37 C.F.R. §§ 1.821(e)

and 1.825. The contents of the CRF and the Sequence Listing

filed herewith are the same. In conformity with 37 C.F.R.

§1.825(b), the copy of the Sequence Listing in the corrected

CRF is the same as the attached Paper Copy.

This amendment corrects typographical mistakes in
as follows:

At page 86, in <222>, nucleotide numbering "462"
should read —463--.

At page 96, in <211>, "76" should read --70--.

At page 96, in <400>2, at the beginning of the
amino acid sequence, delete "Met Glu Thr Ala Pro Ile" and
begin numbering of the other amino acids at 1.

At page 96, in <211>, "355" should read --331--.

At page 96, in <400>3, at the beginning of the
amino acid sequence, delete "Arg Ser Ala Ala Asn Ser Arg Ser
Arg Gly Ser Thr Ser Lys Arg Thr His Asp Leu Glu Glu Glu Glu
Val" and begin numbering of the other amino acids from 1.

At page 100, in <211>, "352" should read --354--.

At page 102, in <400>7, add --Arg Val-- after "Leu
Phe Arg" at the end of the amino acid sequences.

A hand-corrected copy of the originally submitted
Sequence Listing is also attached for the Examiner's
convenience.

In conformity with 37 C.F.R. §1.825(a), support for the amendment is found in the specification as filed and the amendment includes no new matter.

Specification at page 58, lines 18-23, indicates that the coding region <222> beginning with the base of number 463 (not 642) is designated as TomL <223>.

TomK is encoded by the nucleotide sequence beginning with the base 234 to base 443 as in SEQ ID: NO.1 as described on page 58, lines 12-17. Therefore, in the sequence SEQ ID: NO.2 (<216>2), the TomK polypeptide sequence has been corrected to delete the extra six acids at N terminus. In <211> on page 96 "76" now reads --70--.

Sequence ID: NO.3 <210>3 corresponding to the TomL polypeptide sequence is incorrect on page 96. An extra 24 amino acids are present at N terminus, i.e. Arg . . . Val. TomL is encoded by the nucleotide sequence 463-1455 designated in SEQ ID: NO.1 as described on page 58, lines 18-23. On page 87 it is seen that the amino acids in the sequence beginning with Met Thr . . . . and do not contain the erroneous Arg . . . Val sequence. On page 96 <211> 355 now reads <211> 331.

In SEQ ID: NO.7 <210> 7 the portion corresponding to TomP polypeptide sequence erroneously failed to recite Arg

and Val at C terminus. In SEQ ID: NO. 1 on page 95 at 4871,
Arg and Val are present. On page 100, <211> 352 now reads
<211> 354.

Please substitute the paper copy of the attached
Sequence Listing in place of the Sequence Listing on pages
86-103 of the specification as originally filed.

Entry hereof is earnestly solicited.

Applicants' undersigned attorney may be reached in
our New York office by telephone at (212) 218-2100. All
correspondence should continue to be directed to our below
listed address.

Respectfully submitted,

Attorney for Applicant

Registration No. _____

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